

M. Rectus Femoris

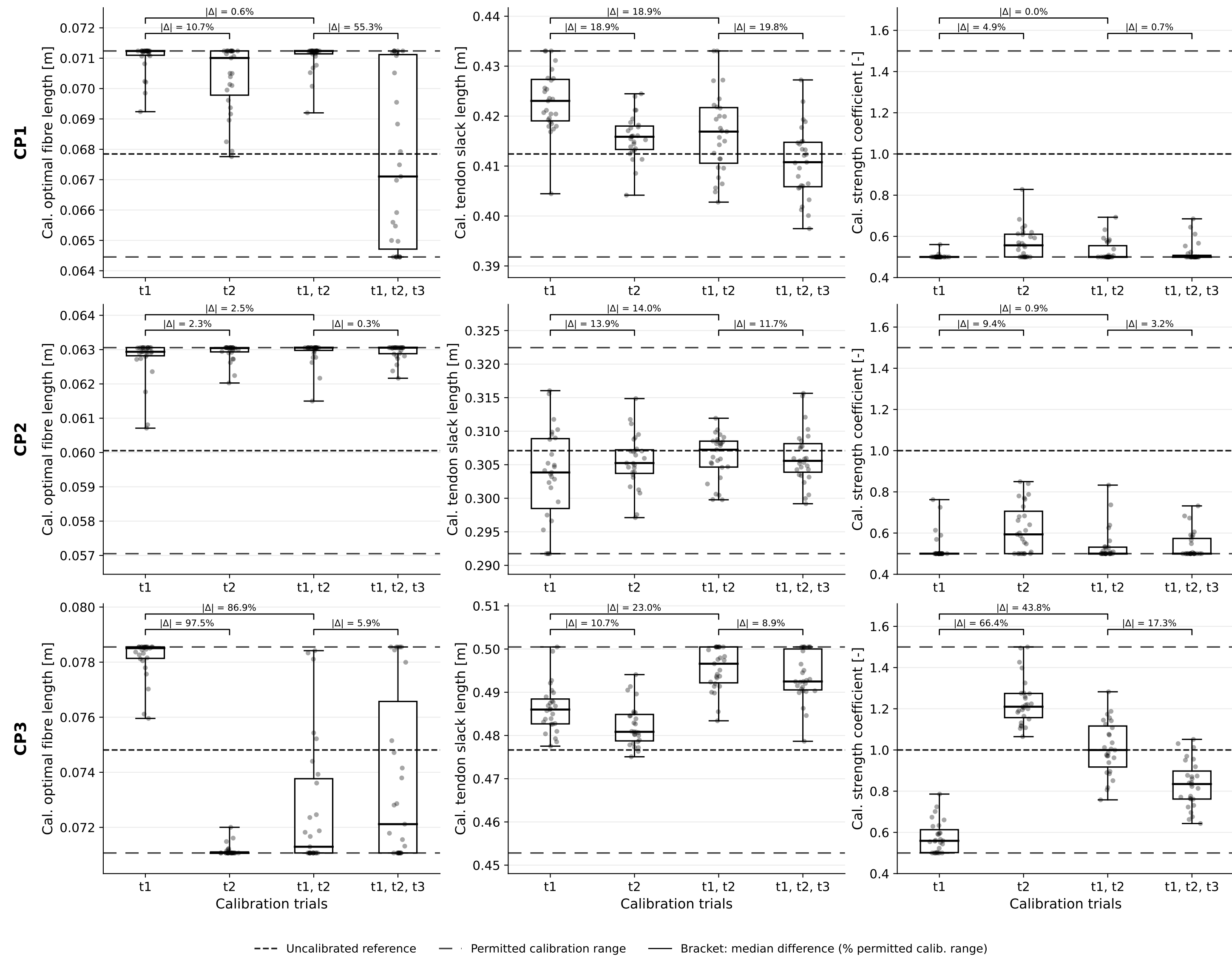


Figure 1. Sensitivity of calibrated muscle-tendon parameters across trial (tX) configurations and calibration weighting settings for moment error (ME), excitations squared (ES), and synergy extraction (SE) in three children with cerebral palsy (CP). Parameter boxplots show calibrated optimal fibre length, tendon slack length, and strength coefficient for each trial configuration. Calibration bounds were 95-105% of the uncalibrated value for optimal fibre length and tendon slack length, and 50-150% for the strength coefficient. Bracket annotations above parameter boxplots indicate the trial-related median changes, expressed as a percentage of the corresponding permitted calibration range.